

# Material Safety Data Sheet

## Section 1 – Chemical Product and Company Identification

Catalog Numbers: UR3000-H, UR3000-E, UR3000-I, UR3000-J, UR3000-K, UR3000-M

Product Identity: Fluorescein Dye

**Chemical Family:** Not Applicable

**Synonyms:** Uranin, disodium salt.

**Recommended Use:** Laboratory chemicals

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331

Emergency Contact Number (24hr): Chemtel (800) 255-3924

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## Section 2 – Hazard Identification

**Emergency Overview:** Caution! May cause respiratory tract irritation. May cause eye and skin irritation.

**Appearance:** Rust/Orange Powder                      **Odor:** Odorless

**Target Organs:** Eyes

**Potential Health Effects/ Routes of Exposure:**

**Eyes:** May cause mild eye irritation.

**Skin:** May cause mild irritation. May be harmful if absorbed into skin.

**Ingestion:** May be harmful if swallowed. Ingestion of large amounts may cause gastrointestinal irritation.

**Inhalation:** May cause irritation of respiratory tract. May be harmful if inhaled.

**Chronic Effect / Carcinogenicity:** None (IARC, NTP, OSHA)

**Aggravated Medical Conditions** No information available

These chemicals are not considered hazardous by OSHA.

See section 11 for toxicological information. See section 12 for potential environmental effects.

## Section 3 –Composition, Information on Ingredients

Fluorescein, disodium salt, anhydrous CAS# 518-47-8, 100% w/v

## Section 4 – First Aid

**Eyes:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

**Skin:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

**Ingestion:** Do not induce vomiting. Obtain medical attention

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

**Notes to Physician** Treat symptomatically.

## Section 5 – Fire Fighting Measures

**Flash Point:** Not Applicable    **Autoignition Temperature** No information available.

**Explosion Limits Upper** No data available                      **Lower** No data available

**Extinguishing Media:** Use water spray, appropriate foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media:** No information available

**Fire & Explosion Hazards:** This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

**Fire Fighting Instructions / Equipment:** Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.

**Hazardous Combustion Products:** No information Available

**Sensitivity to mechanical impact** No information available.

**Sensitivity to static discharge** No information available.

**Specific Hazards Arising from the Chemical:** No information available

**NFPA Rating:** (estimated) Health: 1; Flammable: 1; Reactivity: 0

### **Section 6 – Accidental Release Measures**

**Personal Precautions** Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

**Environmental Precautions** No Information Available

**Methods for Containment and Clean Up** Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

### **Section 7 – Handling and Storage**

**Handling:** Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation.

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.

### **Section 8 – Exposure Controls, Personal Protection**

Fluorescein, disodium salt, anhydrous CAS# 518-47-8, ACGIH TLV: NA, OSHA PEL: NA

**Engineering Measures/ General Hygiene:** Normal ventilation is adequate. Ensure eyewash and safety showers are available.

**Personal Protection Equipment: Skin Protection:** Chemical resistant gloves.

**Eye/Face Protection:** Safety Glasses or goggles. **Respiratory Protection:** Normal ventilation is adequate.

### **Section 9 – Physical and Chemical Properties**

**Appearance/Physical State:** Rust/Orange Powder

**Odor:** Odorless

**Boiling Point:** No Information Available

**Melting Point:** Approx 320C

**Vapor Density:** No Information Available

**Evaporation Rate:** No Information Available

**pH:** Not Applicable

**Flammability:** No Information Available

**Solubility:** Soluble in water available

**Relative Density:** No Information Available

**% Volatility:** No Information Available

**Specific Gravity:** No Information Available

**Vapor Pressure:** No Information Available

**Flash Point:** No Information Available

**Coefficient of water/oil distribution:** Not Available

**Odor Threshold:** Not Available

**Decomposition Temperature:** >252C

**Partition Coefficient n-octanol/water:** No data

**Molecular Weight:** 376.27

### **Section 10 – Stability and Reactivity**

**Chemical Stability:** Stable under normal conditions of use and storage.

**Conditions to Avoid:** Extreme temperatures

**Incompatible Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Sodium Oxide

**Hazardous Polymerization:** Does not occur

**Hazardous Reactions:** No information available.

### **Section 11 – Toxicological Information**

**Routes of Exposure/Symptoms/Corrosiveness** – See Section 2

LD50 oral-rat: 6721mg/kg

LC50 inhalation-rat: NA

**Irritation:** No Information Available

**Toxicologically Synergistic:** No Information Available

### **Chronic Exposure**

**Carcinogenicity** Fluorescein, disodium salt – Not listed as a carcinogen (ACGIH, IARC, NTP, or CA Prop 65)

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Reproductive Effects** No Information available.

**Developmental Effects (Immediate/Delayed)** No information available.

**Teratogenicity** No information available.

**Other Adverse Effects** No information available.

**Endocrine Disruptor Information** No information available

### **Section 12 – Ecological Information**

**Ecotoxicity:** No Information Available

**Persistence and Degradability:** No Information Available

**Mobility:** No Information Available

**Bioaccumulation/ Accumulation:** No Information Available

### **Section 13 – Disposal Considerations**

**Waste Disposal/Waste Disposal of Packaging:** Containerize for disposal.

### **Section 14 – Transport Information**

**DOT – Not Regulated**

### **Section 15 – Regulatory Information (not meant to be all inclusive)**

**OSHA Status:** These chemicals are not considered hazardous by OSHA.

**Canada DSL:** These chemicals are listed on Canada's DSL list.

**TSCA:** These chemicals are listed on the TSCA Inventory

**SARA Title III Section 313:** Not Applicable

**RCRA Status:** Not Applicable

**CERCLA Reportable Quantity:** Not Applicable

**WHMIS:** E: Not Applicable

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

### **Section 16 – Additional Information**

**Disclaimer:** The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.